

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Kenneth (NMI) Schofield, Mark L. Larson and Keith J. Vadas  
For : VEHICLE HEADLIGHT CONTROL USING IMAGING SENSOR

Hon. Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Dear Sir:

PRELIMINARY AMENDMENT

Prior to examination, Applicants wish to amend their application as follows:

In the Specification:

Page 5, line 16:

Delete "co-pending application Serial No. 08/023,918 filed  
February 26, 1993, by" ~~and~~ insert therefor --United States Patent No. 5,550,677 issued to--.

Page 9, line 8:

Delete "110" and insert therefor --109--.

In the Claims:

Cancel claims 1-53 and add new claims 54-99 as follows:

54. A control system for automatically controlling the state of the head lamps of a controlled vehicle, said control system comprising:

an optical system for imaging external sources of light within a predetermined field of view; and

an imaging processing system for processing images from said optical system and providing a control signal for controlling the state of the headlamps as a function of the relative output of pixels imaging the same spectral band of light.